Refine Search

Search Results -

Term	Documents
(8 AND 9).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	5
(L8 AND L9).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	5

Database:
US Pre-Grant Publication Full-Text Database
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EPO Abstracts Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L10

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Wednesday, June 22, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L10	l8 and l9	5	L10
L9	phorbol ester	4200	L9
L8	pde4 isoenzyme	87	L8
L7	gaultherin	6	L7
L6	l5 same l2	11	L6
L5	gaultheria procumbens	75	L5
L4	L3 not oil	41	L4
L3	l1 same l2	906	L3
L2	water or h20 or ethanol or methanol	4040894	L2
L1	wintergreen	6430	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Term	Documents
(12 AND 9).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	6
(L9 AND L12).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	6

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L13

Refine Search

Recall Text Clear Interrupt

Search History

DATE: Wednesday, June 22, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L13	l9 and l12	6	L13
L12	pde IV	1169	L12
DB=USPT; PLUR=YES; OP=ADJ			
L11	5922557.pn.	1	L11
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L10	l8 and l9	5	L10
L9	phorbol ester	4200	L9
L8	pde4 isoenzyme	87	L8
L7	gaultherin	6	L7
L6	l5 same l2	11	L6
L5	gaultheria procumbens	75	L5
L4	L3 not oil	41	L4
L3	l1 same l2	906	L3

L2	water or h20 or ethanol or methanol	4040894	L2
L1	wintergreen	6430	L1

END OF SEARCH HISTORY

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Connecting via Winsock to STN
.


Welcome to STN International!  Enter x:x

LOGINID:SSSPTAU188MXM

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CA, BIOSIS, MEDLINE' AT 19:35:16 ON 22 JUN 2005
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FULL ESTIMATED COST                                117.78     117.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                -19.72     -19.72

=> s phorbol ester?
L8        50090 PHORBOL ESTER?

=> s pde4 isoenzyme
L9           50 PDE4 ISOENZYME

=> s l9 and l8
L10           1 L9 AND L8

=> d

L10  ANSWER 1 OF 1  CA  COPYRIGHT 2005 ACS on STN
AN   133:263555  CA
TI   Methods for the screening of non-recombinant cell lines capable of
     expressing a single PDE4 isoenzyme and for the
     screening of PDE4 inhibitors
IN   Szilagyi, Corinne
PA   Warner-Lambert Co., USA
SO   Eur. Pat. Appl., 21 pp.
     CODEN: EPXXDW
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     --------------      ----   --------    --------------------   --------
PI   EP 1041157           A2    20001004    EP 2000-400839         20000327
     EP 1041157           A3    20001011
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     US 6368815           B1    20020409    US 2000-528806         20000320
     US 2002150960        A1    20021017    US 2001-982074         20011017
     US 6635436           B2    20031021
     US 2004058396        A1    20040325    US 2003-616275         20030708
PRAI US 1999-126669P      P     19990329
     US 2000-528806       A3    20000320
     US 2001-982074       A3    20011017
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LOGINID:SSSPTAU188MXM

PASSWORD:
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SESSION RESUMED IN FILE 'CA, BIOSIS, MEDLINE' AT 19:52:27 ON 22 JUN 2005
FILE 'CA' ENTERED AT 19:52:27 ON 22 JUN 2005
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	131.01	131.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-19.72	-19.72

=> s pde IV
L11 1044 PDE IV

=> s phorbol ester
L12 39941 PHORBOL ESTER

=> s l11 and l12
L13 3 L11 AND L12

=> d 1-3 ab,bib

L13 ANSWER 1 OF 3 CA COPYRIGHT 2005 ACS on STN
AB We investigated the effects of inhibitors of cAMP-specific phosphodiesterase type IV (**PDE IV**) on cultured rat microglial cells. Microglial cells expressed mRNA encoding **PDE IV**. Rolipram and RO-20-1724, specific inhibitors of **PDE IV**, elevated the intracellular cAMP level much higher than the other types of PDE inhibitors. CAMP in astrocytes but not in cerebrocortical neurons was similarly increased in response to treatment with **PDE IV** inhibitors examined The **PDE IV** inhibitors, a β-adrenergic agonist isoproterenol and an adenylyl cyclase stimulant forskolin suppressed the proliferation of microglial cells as revealed by PCNA-immunocytochem. staining. The **PDE IV** inhibitors suppressed release of TNFα and nitric oxide (NO) from lipopolysaccharide-activated microglial cells in pure culture, while they did not affect NO release from microglial cells in neuron-microglia coculture. The **PDE IV** inhibitors also suppressed superoxide anion production by **phorbol ester** -treated microglial cells. Isoproterenol and forskolin similarly suppressed the macrophage-like functions of activated microglial cells. However, the **PDE IV** inhibitors displayed novel effects distinct from those of isoproterenol, forskolin and 8Br-cAMP, regarding expression of mRNAs encoding **PDE IV**, metallothionein-1 and hemeoxigenase-1. The present data showed that the **PDE IV** inhibitors can be available to control microglial function and that their effects on glial cells should be taken into account when **PDE IV** inhibitors are used for treatment of brain diseases, such as multiple sclerosis.
AN 137:73105 CA
TI Suppressive effects of phosphodiesterase type IV inhibitors on rat cultured microglial cells: comparison with other types of cAMP-elevating agents

AU Zhang, Bo; Yang, Lihua; Konishi, Yoshihiro; Maeda, Nobuji; Sakanaka, Masahiro; Tanaka, Junya
CS Department of Physiology, Ehime University, School of Medicine, Ehime, Japan
SO Neuropharmacology (2002), 42(2), 262-269
CODEN: NEPHBW; ISSN: 0028-3908
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 3 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AB We investigated the effects of inhibitors of cAMP-specific phosphodiesterase type IV (**PDE IV**) on cultured rat microglial cells. Microglial cells expressed mRNA encoding **PDE IV**. Rolipram and RO-20-1724, specific inhibitors of **PDE IV**, elevated the intracellular cAMP level much higher than the other types of PDE inhibitors. cAMP in astrocytes but not in cerebrocortical neurons was similarly increased in response to treatment with **PDE IV** inhibitors examined. The **PDE IV** inhibitors, a beta-adrenergic agonist isoproterenol and an adenylyl cyclase stimulant forskolin suppressed the proliferation of microglial cells as revealed by PCNA-immunocytochemical staining. The **PDE IV** inhibitors suppressed release of TNFalpha and nitric oxide (NO) from lipopolysaccharide-activated microglial cells in pure culture, while they did not affect NO release from microglial cells in neuron-microglia coculture. The **PDE IV** inhibitors also suppressed superoxide anion production by **phorbol ester**-treated microglial cells. Isoproterenol and forskolin similarly suppressed the macrophage-like functions of activated microglial cells. However, the **PDE IV** inhibitors displayed novel effects distinct from those of isoproterenol, forskolin and 8Br-cAMP, regarding expression of mRNAs encoding **PDE IV**, metallothionein-1 and hemeoxigenase-1. The present data showed that the **PDE IV** inhibitors can be available to control microglial function and that their effects on glial cells should be taken into account when **PDE IV** inhibitors are used for treatment of brain diseases, such as multiple sclerosis.
AN 2002:208956 BIOSIS
DN PREV200200208956
TI Suppressive effects of phosphodiesterase type IV inhibitors on rat cultured microglial cells: Comparison with other types of cAMP-elevating agents.
AU Zhang, Bo; Yang, Lihua; Konishi, Yoshihiro; Maeda, Nobuji; Sakanaka, Masahiro; Tanaka, Junya [Reprint author]
CS Department of Physiology, School of Medicine, Ehime University, Ehime, Japan
jtanaka@m.ehime-u.ac.jp
SO Neuropharmacology, (February, 2002) Vol. 42, No. 2, pp. 262-269. print.
CODEN: NEPHBW. ISSN: 0028-3908.
DT Article
LA English
ED Entered STN: 20 Mar 2002
Last Updated on STN: 20 Mar 2002

L13 ANSWER 3 OF 3 MEDLINE on STN
AB We investigated the effects of inhibitors of cAMP-specific phosphodiesterase type IV (**PDE IV**) on cultured rat microglial cells. Microglial cells expressed mRNA encoding **PDE IV**. Rolipram and RO-20-1724, specific inhibitors of **PDE IV**, elevated the intracellular cAMP level much higher than the other types of PDE inhibitors. cAMP in astrocytes but not in cerebrocortical neurons was similarly increased in response to treatment with **PDE IV** inhibitors examined. The **PDE IV** inhibitors, a beta-adrenergic agonist isoproterenol and an adenylyl cyclase stimulant forskolin suppressed the proliferation of microglial cells as revealed by PCNA-immunocytochemical staining. The

PDE IV inhibitors suppressed release of TNF alpha and nitric oxide (NO) from lipopolysaccharide-activated microglial cells in pure culture, while they did not affect NO release from microglial cells in neuron-microglia coculture. The **PDE IV** inhibitors also suppressed superoxide anion production by **phorbol ester**-treated microglial cells. Isoproterenol and forskolin similarly suppressed the macrophage-like functions of activated microglial cells. However, the **PDE IV** inhibitors displayed novel effects distinct from those of isoproterenol, forskolin and 8Br-cAMP, regarding expression of mRNAs encoding **PDE IV**, metallothionein-1 and hemeoxigenase-1. The present data showed that the **PDE IV** inhibitors can be available to control microglial function and that their effects on glial cells should be taken into account when **PDE IV** inhibitors are used for treatment of brain diseases, such as multiple sclerosis.

AN 2002078980 MEDLINE
DN PubMed ID: 11804623
TI Suppressive effects of phosphodiesterase type IV inhibitors on rat cultured microglial cells: comparison with other types of cAMP-elevating agents.
AU Zhang Bo; Yang Lihua; Konishi Yoshihiro; Maeda Nobuji; Sakanaka Masahiro; Tanaka Junya
CS Department of Physiology, School of Medicine, Ehime University, Ehime, Japan.
SO Neuropharmacology, (2002 Feb) 42 (2) 262-9.
Journal code: 0236217. ISSN: 0028-3908.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200204
ED Entered STN: 20020128
Last Updated on STN: 20020430
Entered Medline: 20020429